

CLASSIFICATION TITLE Transportation Engineer Tech	OFFICE/BRANCH/SECTION Office of CVO/Transportation Permits Issuance	
WORKING TITLE Transportation Permit Writer	POSITION NUMBER 913-350-3175-XXX	REVISION DATE 10/28/2025

As a valued member of the Caltrans team, you make it possible to improve lives and communities through transportation.

**GENERAL STATEMENT:**

Under the supervision of the Branch Chief of Transportation Permits Issuance, a Senior Transportation Engineer (Supervisor), the incumbent, a Transportation Engineering Technician, serves as the Transportation Permits Writer in the Transportation Permits Issuance Branch.

The incumbent performs complex technical work pertaining to transportation permits. The incumbent serves as a Permit Writer, responsible for issuing transportation permits, including single trip, annual, repetitive, and variance permits for extra-legal vehicles and/or loads traveling on State highways. The incumbent evaluates permit applications for compliance with Caltrans regulations and routing requirements, applies engineering judgment to determine appropriate travel conditions, and utilizes Caltrans' permit processing software to generate and issue permits.

**CORE COMPETENCIES:**

As a Transportation Engineer Tech, the incumbent is expected to become proficient in the following competencies as described below in order to successfully perform the essential functions of the job, while adhering to and promoting the Department's Mission, Vision, Values, Strategic Imperatives and Goals. Effective development of the identified Core Competencies fosters the advancement of the following Leadership Competencies: Change Commitment, Risk Appetite, Self-Development/Growth, Conflict Management, Relationship Building, Organizational Awareness, Communication, Strategic Perspective, and Results Driven.

- **Learning on the Fly:** Learns quickly, is open to change, experiments, and is flexible. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)
- **Dealing with Ambiguity (Risk):** Can comfortably handle risk and uncertainty, as well as make decisions to act without having the total picture. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)
- **Reliability:** Ability to demonstrate dependability in meeting commitments, and providing a consistent work product. Takes responsibility for individual actions in order to meet deadline demands. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)
- **Problem-solving and Decision-making :** Identifies problems and uses logical analysis to find information, understand causes, and evaluate and select or recommend best possible courses of action. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)
- **Teamwork/Partnership:** Develops, maintains, and strengthens partnerships with others inside or outside of the organization through effective communication and collaboration. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)
- **Organizational Awareness:** Contributes to the organization by understanding and aligning actions with the organization's strategic plan, including the mission, vision, goals, core functions, and values. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)
- **Communication:** Expresses oneself clearly in all forms of communication. Gives feedback and is receptive to feedback received. Knows that listening is essential. Keeps others in the Division and other functional units informed as appropriate. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)
- **Analytical Skills:** Approaches problems using a logical, systematic, and sequential approach. Weighs priorities and recognizes underlying issues. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)
- **Technical Expertise:** Depth of knowledge and skill in a technical area. (Safety, Equity, Climate Action, Prosperity, Employee Excellence - Collaboration, Equity, Innovation, Integrity, People First, Pride, Stewardship)

**TYPICAL DUTIES:**

Percentage  
Essential (E)/Marginal (M)<sup>1</sup>      Job Description

POSITION DUTY STATEMENT

DOT PM-0924 (REV 01/2025)

35%	E	Reviews all types of transportation permit applications (single trips, Single Trip and Application Routing System (STARS), annual, repetitive, and variance) to determine if the vehicle and/or load are correctly described and are eligible for extralegal transportation permits. Analyzes the reducibility of the loads or vehicles. Assesses the use of appropriate hauling vehicle combination to accommodate the load. Checks the maximum allowable loading and determines the permit weight classification. Assists applicants and permit services companies in determining alternate routing or proposed routing of current and future moves.
30%	E	Researches a proposed route to ensure that it can accommodate the extra-legal features of the load. Coordinates intra-regional moves with local agencies. Records the approved route, special conditions, and escort requirements on the permit. Signs or stamps the permit as the authorized state representative and sends the approved permit to the permittee. Confers with the California Highway Patrol and local law enforcement in the interpretation of the permit conditions and extralegal size and weight issues. Performs independent reviews as a secondary audit of permits written by others and assists with more complex permit tasks as needed.
25%	E	Accesses, analyzes, and interprets roadway restriction data to determine appropriate routes for extralegal load movements. Reviews vertical and horizontal clearances and coordinates with Resident Engineers, Encroachment Engineers, Construction and Maintenance Supervisors, Contractors, and the California Highway Patrol (CHP) to ensure route safety and compliance. Utilizes the CalRoute database to develop and verify routes used by permit writers. Prior to permit issuance, confirms with the Transportation Permits Policy Branch database administrator any long-term restrictions, new highway alignments, or relinquishments to ensure route accuracy and regulatory compliance.
5%	E	Prepares internal correspondence and develops spreadsheets for management use; responds to public inquiries regarding permit policies. Creates spreadsheets as needed to summarize permit and accounting data, supporting the resolution of discrepancies. Prepares and shares documents with external customers, ensuring clarity and accuracy without requiring ongoing updates, and effectively communicates related information via email. Assists supervisors in reviewing and updating Caltrans' permit policies, best practices, and permit processing software.
5%	M	Completes a variety of special projects and assignments as needed by the Division Chief, Deputy Division Chief, Office Chief, and Branch Chief. Performs other work commensurate with the Transportation Engineering Technician classification.

<sup>1</sup>ESSENTIAL FUNCTIONS are the core duties of the position that cannot be reassigned.  
MARGINAL FUNCTIONS are the minor tasks of the position that can be assigned to others.

SUPERVISION OR GUIDANCE EXERCISED OVER OTHERS  
None. May act in a lead capacity on special projects.

KNOWLEDGE, ABILITIES, AND ANALYTICAL REQUIREMENTS

This position requires: Sufficient knowledge of the California State Highway System and local highway networks for routing extralegal vehicles from origin to specific destination; heavy hauling equipment and heavy construction equipment and their operations; engineering knowledge to understand the reasoning and the need for bridge weight ratings and how they apply to heavy axle loadings; and an engineering background to effectively communicate technical issues involving the Transportation Permits Program.

This position requires the ability to: Read, interpret, and extract information from construction project plans; analyze, interpret, and apply policies and procedures to specific situations; analyze complex, technical situations and take effective action; use a computer and have working knowledge of various Microsoft software applications (Outlook, Word, Excel, Access, PowerPoint) and web-based applications; work cooperatively and communicate effectively (verbal and written) with the public, customers, co-workers, and other transportation partners; determine safe routes for the appropriate vehicles and/or loads; and understand individual roles, responsibilities, and duties in ensuring the safe routing of oversize and overweight vehicles.

Typical duties of the Transportation Engineering Technician classification require:

- Knowledge of: Using and adjusting precision surveying instruments; methods, materials, tools, and equipment used in highway and bridge construction and maintenance work; methods of proportioning and handling portland cement concrete; proportioning and handling bituminous surfacing materials and the handling of asphaltic oils and emulsions; physical characteristics and properties of highway and bridge construction materials and the approved methods and equipment used in making physical tests of construction materials; highway grading, construction, and maintenance; traffic operations, methods, and procedures; conventional and state-of-the-art computer applications to transportation engineering work.

**POSITION DUTY STATEMENT**

DOT PM-0924 (REV 01/2025)

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• The ability to: Communicate effectively at a level required for successful job performance; use and adjust precision surveying instruments; assist in highway and bridge design work; make accurate engineering calculations; inspect construction work and enforce compliance with plans and specifications; analyze situations accurately and take effective action; prepare reports.

Requires the ability to collaborate with multi-disciplinary, technical staff; communicate effectively (both orally and in writing) with multiple audiences; establish and maintain cooperative relationships with individuals and organizations contacted in the course of work; participate in public contact and represent Caltrans; serve in a consulting capacity to other divisions and districts; and respond appropriately to difficult situations.

Must be able to apply sound judgment in problem solving; work productively in a busy and often changing environment; perform multiple tasks simultaneously; maintain a project schedule; accurately and timely follow-up on issues; and effectively interact with many levels of people in a cooperative manner. Must be decisive, take appropriate actions, and complete tasks or projects with a short notice. Requires proficiency with Microsoft (MS) Office programs (including MS Word, MS Excel, MS Outlook, and MS Teams), Adobe Acrobat, Cisco WebEx, and using the Internet.

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**RESPONSIBILITY FOR DECISIONS AND CONSEQUENCES OF ERROR**

This position is responsible for making independent action and taking initiative to carry out assigned duties. The incumbent's decisions and actions have a direct impact on the Traffic Operations Program and the Department. Inability to carry out this position's responsibilities could result in: adversely affecting public safety and/or result in tort liability for Caltrans; increased expenses resulting from lost Transportation System productivity; litigation that could delay and/or add substantial cost to essential projects or activities; inability to quantify performance in meeting the Department's strategic goals and safety and mobility commitments; loss of credibility and public confidence in Caltrans as a responsible public agency.

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**PUBLIC AND INTERNAL CONTACTS**

The incumbent must maintain the highest level of professionalism and integrity, exhibit tact and diplomacy, and effectively communicate with all internal/external contacts.

Internal contacts include various Caltrans districts and divisions (including Design, Construction, Maintenance, External Affairs, and Engineering Services). External contacts include the Legislature, Governor's Office, CHP, FHWA, construction industry representatives, local agencies, other states, national experts, academia, the private sector, and the public (specifically transporters and permit service personnel).

The incumbent must communicate effectively orally and in writing, by telephone, via email, and by web conferencing. The incumbent may be required to facilitate, participate in, and host meetings.

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**PHYSICAL, MENTAL, AND EMOTIONAL REQUIREMENTS**

The incumbent must: quickly adapt behavior and work methods in response to new information/priorities and unexpected obstacles; multi-task; effectively interact with many levels of people in a cooperative manner; be decisive; take appropriate actions; and complete tasks or projects with a short notice. Must be able to maintain focus and intensity, yet remain optimistic and persistent, even under adversity. The incumbent shall act in a fair and ethical manner toward others; value cultural diversity and other individual differences in the workforce; and demonstrate a sense of responsibility and commitment to public services. The incumbent must be able to develop new insights into situations and apply innovative solutions to make organizational improvements; grasp the essence of new information and master new technical and business knowledge.

Must have manual dexterity and the ability to work with precision surveying instruments/tools/equipment and testing materials. Must have the ability to work with a computer and may be required to sit for long periods of time using a computer, monitors, phone, and other office equipment. The incumbent must be able to occasionally lift up to 25 pounds without assistance. Bending, stooping, and pulling may be required within the normal course of performing some of the responsibilities associated with this position. May be required to speak in front of large groups.

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**WORK ENVIRONMENT**

This position's headquarter location is Sacramento, CA. The incumbent works in a climate-controlled office under natural and artificial lighting. Due to periodic issues with heating and air conditioning, building temperatures may fluctuate. Multi-floor buildings are equipped with elevators and stairs. The incumbent may be required to travel periodically to other office buildings (federal and state offices, district offices, local agencies, etc.) and indoor/outdoor field locations. While at field locations, the incumbent may be exposed to uneven surfaces, noise, and varying climate conditions. The incumbent may be required to travel within the state and may be required to travel out-of-state for business operations. Possession of a valid driver's license is required to operate a State owned, leased, and/or personal vehicle. The environment is fast-paced, demanding, and busy; and requires considerable flexibility in managing time, priorities and assignments. The incumbent will be required to work during times of "national emergencies and/or natural disaster." Vacations may be restricted during peak times.

This position may be eligible for telework. The amount of telework is at the discretion of the Department and based on Caltrans'

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**ADA Notice**

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POSITION DUTY STATEMENT

DOT PM-0924 (REV 01/2025)

evolving telework policy. Caltrans supports telework, recognizing that in-person attendance may be required based on operational needs. Employees are expected to be able to report to their worksites with minimum notification if an urgent need arises. The selected candidate will be required to commute to the headquartered location as needed to meet operational needs. Business travel may be required and reimbursement considers an employee's designated headquartered location, primary residence, and may be subject to CalHR regulations or applicable bargaining unit contract provisions. All commute expenses to the headquartered location will be the responsibility of the selected candidate.

I have read, understand and can perform the duties listed above. (If you believe you may require reasonable accommodation, please discuss this with your hiring supervisor. If you are unsure whether you require reasonable accommodation, inform the hiring supervisor who will discuss your concerns with the Reasonable Accommodation Coordinator.)

I agree that by providing my electronic signature for this form, I agree to conduct business transactions by electronic means and that my electronic signature is the legal binding equivalent to my handwritten signature. I hereby agree that my electronic signature represents my execution or authentication of this form, and my intent to be bound by it.

EMPLOYEE (Print)

EMPLOYEE (Signature)	DATE
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I have discussed the duties with, and provided a copy of this duty statement to the employee named above.

SUPERVISOR (Print)

SUPERVISOR (Signature)	DATE
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